

CLAIMS:

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1. A method of processing an image comprising:
 - (a) sensing said image from an original document;
 - (b) modifying said image by a first process to compensate for non-uniformities of sensing said image;
 - (c) modifying said image by a second process based upon the image itself;
 - (d) creating a print ready data stream as a result of the modifications of step (b) and (c);
 - (e) providing a print ready data stream of said image to a third process;
 - (f) modifying said image of said print ready data stream by said third process including at least one of:
 - (i) mirroring at least a portion of image of said print ready data stream;
 - (ii) horizontally cloning at least a portion of said image of said print ready data stream;
 - (iii) vertically cloning at least a portion of said image of said print ready data stream;
 - (g) providing said modified image as a result of step (f) to an output device.
 2. The method of claim 1 wherein said sensing is performed by a copy machine.

5 3. The method of claim 1 wherein said sensing is performed by a facsimile machine.

4. The method of claim 1 wherein said sensing is performed by a scanner.

10 5. The method of claim 1 wherein said output device is a printer.

6. The method of claim 1 wherein said output device is a file.

15 7. The method of claim 1 wherein said output device is a print ready file transferred across a network.

8. The method of claim 1 wherein said third process includes mirroring at least a portion of said image of said print ready data stream.

20 9. The method of claim 8 wherein said third process includes mirroring the entire said image.

10. The method of claim 1 wherein said third process includes horizontally cloning at least a portion of said image of said print ready data stream.

25 11. The method of claim 10 wherein said third process includes horizontally cloning the entire said image.

5 12. The method of claim 1 wherein said third process includes vertically cloning at least a portion of said image of said print ready data stream.

13. The method of claim 12 wherein said third process includes vertically cloning the entire said image

10 14. A method of processing an image comprising:

- 15 (a) sensing said image from an original document;
- (b) modifying said image by a first process to compensate for non-uniformities of sensing said image;
- (c) modifying said image by a second process based upon the image itself; and
- (d) selectively selecting from among a first mode, a second mode, and a third mode;
- 20 (i) said first mode comprising modifying said image by performing at least one of (a) mirroring at least a portion of said image and horizontally cloning at least a portion of said image, while said first mode is free from vertically cloning of said image;
- 25 (ii) said second mode comprising storing said image within a buffer;

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(iii) said third mode comprising processing said image stored within said buffer as a result of said second mode by said first mode, and providing said modified image to an output device.

10 15. The method of claim 14 wherein said sensing is performed by at least one of a copy machine, a facsimile machine, and a scanner.

16. The method of claim 14 wherein said output device is at least one of a printer, a file, and print ready file transferred across a network.

15 17. The method of claim 14 wherein said first mode includes mirroring at least a portion of said image of said print ready data stream.

18. The method of claim 17 wherein said first mode includes mirroring the entire said image.

20 19. The method of claim 14 wherein said first mode includes horizontally cloning at least a portion of said image.

25 20. The method of claim 19 wherein said first mode includes horizontally cloning the entire said image.

21. A method of processing an image comprising:

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- (a) sensing said image from an original document;
- (b) modifying said image by a first process to compensate for non-uniformities of sensing said image;
- (c) modifying said image by a second process based upon the image itself; and
- (d) storing said modified image as a result of step (c) in a compressed form in a buffer if said modified image requires sufficiently less memory for storing than the size of said buffer.

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22. The method of claim 21 wherein said image is sensed a first time to determine if said modified image requires said sufficiently less memory for storing than the size of said buffer, and said image is sensed a second time to store the resulting modified sensed image in said buffer.

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23. The method of claim 21 wherein said modified image is simultaneously provided to an output device and stored in said buffer.

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24. The method of claim 21 further comprising providing said compressed image to an output device multiple times free from re-sensing said original document.

25. A method of processing an image comprising:

- (a) providing a print ready data stream of an image to a first process;

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- (b) modifying said image of said print ready data stream by said first process including at least one of:
- (i) mirroring at least a portion of image of said print ready data stream;
 - (ii) horizontally cloning at least a portion of said image of said print ready data stream;
 - (iii) vertically cloning at least a portion of said image of said print ready data stream;
- (c) providing said modified image as a result of step (b) to an output device.

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26. The method of claim 25 further comprising sensing said image from an original document.

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27. The method of claim 26 further comprising modifying said image by a first process to compensate for non-uniformities of sensing said image.

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28. The method of claim 27 further comprising modifying said image by a second process based upon the image itself.

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29. The method of claim 28 further comprising creating a print ready data stream as the result of said first and second processes.

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30. The method of claim 25 wherein said output device is a printer.

31. The method of claim 25 wherein said output device is a file.

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32. The method of claim 25 wherein said output device is a print ready file transferred across a network.

33. The method of claim 25 wherein said output device is a display.

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34. The method of claim 25 wherein said first process includes mirroring at least a portion of said image of said print ready data stream.

35. The method of claim 34 wherein said third process includes mirroring the entire said image.

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36. The method of claim 25 wherein said first process includes horizontally cloning at least a portion of said image of said print ready data stream.

37. The method of claim 36 wherein said first process includes horizontally cloning the entire said image.

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38. The method of claim 25 wherein said third process includes vertically cloning at least a portion of said image of said print ready data stream.

5 39. The method of claim 38 wherein said first process includes vertically cloning the entire said image.

40. A method of processing an image comprising:

(a) providing a print ready data stream of an image;

10 (b) selectively selecting from among a first mode, a second mode, and a third mode;

(i) said first mode comprising modifying said image by performing at least one of (a) mirroring at least a portion of said image and horizontally cloning at least a portion of said image, while said first mode is free from vertically cloning of said image;

(ii) said second mode comprising storing said image within a buffer;

15 (iii) said third mode comprising processing said image stored within said buffer as a result of said second mode by said first mode, and providing said modified image to an output device.

20 41. The method of claim 40 wherein said image is obtained by sensing by at least one of a copy machine, a facsimile machine, and a scanner.

25 42. The method of claim 40 wherein said output device is at least one of a printer, a file, a display, and print ready file transferred across a network.

5 43. The method of claim 42 wherein said first mode includes mirroring at least a portion of said image of said print ready data stream.

44. The method of claim 43 wherein said first mode includes mirroring the entire said image.

10 45. The method of claim 40 wherein said first mode includes horizontally cloning at least a portion of said image.

15 46. The method of claim 45 wherein said first mode includes horizontally cloning the entire said image.